Robe

ColorSpot 700E AT



Manufacturer	**Robe**
Type	**Profile spot**
DMX modes	**6**
DMX footprint	**24, 26, 28, 31, 34, 36 channels**
Beam angle	**15-51°**
Pan range	**540°**
Tilt range	**280°**
Size (W × H × D)	**300 × 300 × 200 mm**
GDTF fixture type	**E0CE903A-882C-539F-A699-4B…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Lamp on and off · Fixture reset

DMX modes

Mode 6 (24 ch)	24 ch
Mode 4 (26 ch)	26 ch
Mode 2 (28 ch)	28 ch
Mode 5 (31 ch)	31 ch
Mode 3 (34 ch)	34 ch
Mode 1 (36 ch)	36 ch

Mode 6 (24 ch)

24 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	0–0 Max. speed (tracking mode) 1–255 Speed from max. to min. (vector mode) / time from 0...
4	Control1	0	0–49 Reserved 50–59 Pan/Tilt speed mode 60–69 Pan/Tilt time mode 70–79 Blackout while pan/tilt moving 80–89 Disabled blackout while pan/tilt moving 90–99 Blackout while colour wheel moving 100–109 Disabled blackout while colour wheel moving 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Lamp On, reset (total reset except pan/tilt reset) 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 Gobo wheels reset 170–179 Dimmer/strobe reset 180–189 Zoom/focus/frost reset 190–199 Iris/prism/animation wheel reset 200–209 Total reset 210–229 Reserved 230–239 Lamp Off 240–255 Reserved
5	Color Wheel	0	0–15 Open/white (wheel slot 1) 16–31 Deep red (wheel slot 2) 32–47 Deep blue (wheel slot 3) 48–63 Orange (wheel slot 4) 64–79 Green (wheel slot 5) 80–95 Light red (wheel slot 6) 96–111 Amber (wheel slot 7) 112–127 UV filter (wheel slot 8) 128–129 White (wheel slot 1) 130–137 Deep red (wheel slot 2) 138–145 Deep blue (wheel slot 3) 146–153 Orange (wheel slot 4) 154–163 Green (wheel slot 5) 164–171 Light red (wheel slot 6) 172–181 Amber (wheel slot 7) 182–189 UV filter (wheel slot 8) 190–215 Forwards rainbow effect from fast to slow 216–217 No rotation 218–243 Backwards rainbow effect from slow to fast 244–249 Random colour selection by audio control 250–255 Auto random colour selection from fast to slow
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	0	

Mode 6 (24 ch) (continued)

Ch	Function	Default	DMX values
10	Color Macro1	0	0–7 No function 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–243 Macro 30 - Random rainbow effect from fast to slow 244–249 Random macro selection by audio control 250–255 Auto random macro selection from fast to slow
11	Color Mix MSpeed	0	
12	Animation Wheel1	0	0–31 Open 32–47 Horizontal indexed position (set indexing on the nex... 48–63 Vertical indexed position (set indexing on the next ch... 64–79 Continuous rotation, horizontal position (set speed o... 80–95 Continuous rotation, vertical position (set speed on t... 96–111 Horizontal pulse effects (set speed on the next chan... 112–127 Vertical pulse effects (set speed on the next chann... 128–191 Indexed angle position from horizontal to vertical ... 192–255 Indexed angle position from vertical to horizontal ...
13	Animation Wheel1Pos Rotate	0	

Mode 6 (24 ch) (continued)

Ch	Function	Default	DMX values
14	Gobo	0	0–6 Open/hole (wheel slot 1) 7–12 Gobo 1 (wheel slot 2) 13–18 Gobo 2 (wheel slot 3) 19–25 Gobo 3 (wheel slot 4) 26–31 Gobo 4 (wheel slot 5) 32–38 Gobo 5 (wheel slot 6) 39–44 Gobo 6 (wheel slot 7) 45–50 Gobo 7 (wheel slot 8) 51–57 Gobo 8 (wheel slot 9) 58–63 Gobo 9 (wheel slot 10) 64–64 Open/hole (wheel slot 1) 65–69 Gobo 1 (wheel slot 2) 70–74 Gobo 2 (wheel slot 3) 75–79 Gobo 3 (wheel slot 4) 80–84 Gobo 4 (wheel slot 5) 85–89 Gobo 5 (wheel slot 6) 90–94 Gobo 6 (wheel slot 7) 95–99 Gobo 7 (wheel slot 8) 100–104 Gobo 8 (wheel slot 9) 105–109 Gobo 9 (wheel slot 10) 110–119 Shaking gobo 1 (wheel slot 2) 120–129 Shaking gobo 2 (wheel slot 3) 130–139 Shaking gobo 3 (wheel slot 4) 140–149 Shaking gobo 4 (wheel slot 5) 150–159 Shaking gobo 5 (wheel slot 6) 160–169 Shaking gobo 6 (wheel slot 7) 170–179 Shaking gobo 7 (wheel slot 8) 180–189 Shaking gobo 8 (wheel slot 9) 190–199 Shaking gobo 9 (wheel slot 10) 200–201 Open/hole (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow

Mode 6 (24 ch) (continued)

Ch	Function	Default	DMX values
15	Gobo 2	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 (wheel slot 2) 36–39 Gobo 2 (wheel slot 3) 40–43 Gobo 3 (wheel slot 4) 44–47 Gobo 4 (wheel slot 5) 48–51 Gobo 5 (wheel slot 6) 52–55 Gobo 6 (wheel slot 7) 56–59 Gobo 7 (wheel slot 8) 60–69 Shaking gobo 1 (wheel slot 2) 70–79 Shaking gobo 2 (wheel slot 3) 80–89 Shaking gobo 3 (wheel slot 4) 90–99 Shaking gobo 4 (wheel slot 5) 100–109 Shaking gobo 5 (wheel slot 6) 110–119 Shaking gobo 6 (wheel slot 7) 120–129 Shaking gobo 7 (wheel slot 8) 130–139 Shaking gobo 1 (wheel slot 2) 140–149 Shaking gobo 2 (wheel slot 3) 150–159 Shaking gobo 3 (wheel slot 4) 160–169 Shaking gobo 4 (wheel slot 5) 170–179 Shaking gobo 5 (wheel slot 6) 180–189 Shaking gobo 6 (wheel slot 7) 190–199 Shaking gobo 7 (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
16	Gobo Rotation 2	0	
17	Prism	0	0–19 Open (wheel slot 1) 20–127 3-facet rotating prism (wheel slot 2) 128–135 Prism/gobo macro 1 136–143 Prism/gobo macro 2 144–151 Prism/gobo macro 3 152–159 Prism/gobo macro 4 160–167 Prism/gobo macro 5 168–175 Prism/gobo macro 6 176–183 Prism/gobo macro 7 184–191 Prism/gobo macro 8 192–199 Prism/gobo macro 9 200–207 Prism/gobo macro 10 208–215 Prism/gobo macro 11 216–223 Prism/gobo macro 12 224–231 Prism/gobo macro 13 232–239 Prism/gobo macro 14 240–247 Prism/gobo macro 15 248–255 Prism/gobo macro 16
18	Prism Rotation	0	0–0 No rotation 1–127 Forwards rotation from fast to slow 128–129 No rotation 130–255 Backwards rotation from slow to fast

Mode 6 (24 ch) (continued)

Ch	Function	Default	DMX values
19	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 100% frost 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow
20	Iris	0	0–0 Open 1–179 From max.diameter to min.diameter 180–191 Closed 192–219 Pulse opening from slow to fast 220–247 Pulse closing from fast to slow 248–249 Random pulse opening (fast) 250–251 Random pulse opening (slow) 252–253 Random pulse closing (fast) 254–255 Random pulse closing (slow)
21	Zoom	0	
22	Focus	0	
23	Shutter / Strobe	32	0–31 Shutter closed, Lamp power reduced to 350 W (after 1... 32–63 Shutter open, Full lamp power 64–95 Strobe-effect from slow to fast (max. 12 flashes/s) 96–127 Shutter open, Lamp power reduced to 350 W 128–143 Opening pulse in sequences from slow to fast 144–159 Closing pulse in sequences from fast to slow 160–191 Electronic strobing ZAP from slow to fast (7 to 33 fl... 192–223 Random strobe-effect from slow to fast 224–255 Shutter open, Full lamp power
24	Dimmer	0	

Mode 4 (26 ch)

26 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Max. speed (tracking mode) 1–255 Speed from max. to min. (vector mode) / time from 0...
6	Control1	0	0–49 Reserved 50–59 Pan/Tilt speed mode 60–69 Pan/Tilt time mode 70–79 Blackout while pan/tilt moving 80–89 Disabled blackout while pan/tilt moving 90–99 Blackout while colour wheel moving 100–109 Disabled blackout while colour wheel moving 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Lamp On, reset (total reset except pan/tilt reset) 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 Gobo wheels reset 170–179 Dimmer/strobe reset 180–189 Zoom/focus/frost reset 190–199 Iris/prism/animation wheel reset 200–209 Total reset 210–229 Reserved 230–239 Lamp Off 240–255 Reserved

Mode 4 (26 ch) (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–15 Open/white (wheel slot 1) 16–31 Deep red (wheel slot 2) 32–47 Deep blue (wheel slot 3) 48–63 Orange (wheel slot 4) 64–79 Green (wheel slot 5) 80–95 Light red (wheel slot 6) 96–111 Amber (wheel slot 7) 112–127 UV filter (wheel slot 8) 128–129 White (wheel slot 1) 130–137 Deep red (wheel slot 2) 138–145 Deep blue (wheel slot 3) 146–153 Orange (wheel slot 4) 154–163 Green (wheel slot 5) 164–171 Light red (wheel slot 6) 172–181 Amber (wheel slot 7) 182–189 UV filter (wheel slot 8) 190–215 Forwards rainbow effect from fast to slow 216–217 No rotation 218–243 Backwards rainbow effect from slow to fast 244–249 Random colour selection by audio control 250–255 Auto random colour selection from fast to slow
8	Cyan	0	
9	Magenta	0	
10	Yellow	0	
11	C TO	0	
12	Color Macro1	0	0–7 No function 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–243 Macro 30 - Random rainbow effect from fast to slow 244–249 Random macro selection by audio control 250–255 Auto random macro selection from fast to slow
13	Color Mix MSpeed	0	

Mode 4 (26 ch) (continued)

Ch	Function	Default	DMX values
14	Animation Wheel1	0	0–31 Open 32–47 Horizontal indexed position (set indexing on the nex... 48–63 Vertical indexed position (set indexing on the next ch... 64–79 Continuous rotation, horizontal position (set speed o... 80–95 Continuous rotation, vertical position (set speed on t... 96–111 Horizontal pulse effects (set speed on the next chan... 112–127 Vertical pulse effects (set speed on the next chann... 128–191 Indexed angle position from horizontal to vertical ... 192–255 Indexed angle position from vertical to horizontal ...
15	Animation Wheel1Pos Rotate	0	
16	Gobo	0	0–6 Open/hole (wheel slot 1) 7–12 Gobo 1 (wheel slot 2) 13–18 Gobo 2 (wheel slot 3) 19–25 Gobo 3 (wheel slot 4) 26–31 Gobo 4 (wheel slot 5) 32–38 Gobo 5 (wheel slot 6) 39–44 Gobo 6 (wheel slot 7) 45–50 Gobo 7 (wheel slot 8) 51–57 Gobo 8 (wheel slot 9) 58–63 Gobo 9 (wheel slot 10) 64–64 Open/hole (wheel slot 1) 65–69 Gobo 1 (wheel slot 2) 70–74 Gobo 2 (wheel slot 3) 75–79 Gobo 3 (wheel slot 4) 80–84 Gobo 4 (wheel slot 5) 85–89 Gobo 5 (wheel slot 6) 90–94 Gobo 6 (wheel slot 7) 95–99 Gobo 7 (wheel slot 8) 100–104 Gobo 8 (wheel slot 9) 105–109 Gobo 9 (wheel slot 10) 110–119 Shaking gobo 1 (wheel slot 2) 120–129 Shaking gobo 2 (wheel slot 3) 130–139 Shaking gobo 3 (wheel slot 4) 140–149 Shaking gobo 4 (wheel slot 5) 150–159 Shaking gobo 5 (wheel slot 6) 160–169 Shaking gobo 6 (wheel slot 7) 170–179 Shaking gobo 7 (wheel slot 8) 180–189 Shaking gobo 8 (wheel slot 9) 190–199 Shaking gobo 9 (wheel slot 10) 200–201 Open/hole (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow

Mode 4 (26 ch) (continued)

Ch	Function	Default	DMX values
17	Gobo 2	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 (wheel slot 2) 36–39 Gobo 2 (wheel slot 3) 40–43 Gobo 3 (wheel slot 4) 44–47 Gobo 4 (wheel slot 5) 48–51 Gobo 5 (wheel slot 6) 52–55 Gobo 6 (wheel slot 7) 56–59 Gobo 7 (wheel slot 8) 60–69 Shaking gobo 1 (wheel slot 2) 70–79 Shaking gobo 2 (wheel slot 3) 80–89 Shaking gobo 3 (wheel slot 4) 90–99 Shaking gobo 4 (wheel slot 5) 100–109 Shaking gobo 5 (wheel slot 6) 110–119 Shaking gobo 6 (wheel slot 7) 120–129 Shaking gobo 7 (wheel slot 8) 130–139 Shaking gobo 1 (wheel slot 2) 140–149 Shaking gobo 2 (wheel slot 3) 150–159 Shaking gobo 3 (wheel slot 4) 160–169 Shaking gobo 4 (wheel slot 5) 170–179 Shaking gobo 5 (wheel slot 6) 180–189 Shaking gobo 6 (wheel slot 7) 190–199 Shaking gobo 7 (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
18	Gobo Rotation 2	0	
19	Prism	0	0–19 Open (wheel slot 1) 20–127 3-facet rotating prism (wheel slot 2) 128–135 Prism/gobo macro 1 136–143 Prism/gobo macro 2 144–151 Prism/gobo macro 3 152–159 Prism/gobo macro 4 160–167 Prism/gobo macro 5 168–175 Prism/gobo macro 6 176–183 Prism/gobo macro 7 184–191 Prism/gobo macro 8 192–199 Prism/gobo macro 9 200–207 Prism/gobo macro 10 208–215 Prism/gobo macro 11 216–223 Prism/gobo macro 12 224–231 Prism/gobo macro 13 232–239 Prism/gobo macro 14 240–247 Prism/gobo macro 15 248–255 Prism/gobo macro 16
20	Prism Rotation	0	0–0 No rotation 1–127 Forwards rotation from fast to slow 128–129 No rotation 130–255 Backwards rotation from slow to fast

Mode 4 (26 ch) (continued)

Ch	Function	Default	DMX values
21	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 100% frost 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow
22	Iris	0	0–0 Open 1–179 From max.diameter to min.diameter 180–191 Closed 192–219 Pulse opening from slow to fast 220–247 Pulse closing from fast to slow 248–249 Random pulse opening (fast) 250–251 Random pulse opening (slow) 252–253 Random pulse closing (fast) 254–255 Random pulse closing (slow)
23	Zoom	0	
24	Focus	0	
25	Shutter / Strobe	32	0–31 Shutter closed, Lamp power reduced to 350 W (after 1... 32–63 Shutter open, Full lamp power 64–95 Strobe-effect from slow to fast (max. 12 flashes/s) 96–127 Shutter open, Lamp power reduced to 350 W 128–143 Opening pulse in sequences from slow to fast 144–159 Closing pulse in sequences from fast to slow 160–191 Electronic strobing ZAP from slow to fast (7 to 33 fl... 192–223 Random strobe-effect from slow to fast 224–255 Shutter open, Full lamp power
26	Dimmer	0	

Mode 2 (28 ch)

28 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Max. speed (tracking mode) 1–255 Speed from max. to min. (vector mode) / time from 0...
6	Control1	0	0–49 Reserved 50–59 Pan/Tilt speed mode 60–69 Pan/Tilt time mode 70–79 Blackout while pan/tilt moving 80–89 Disabled blackout while pan/tilt moving 90–99 Blackout while colour wheel moving 100–109 Disabled blackout while colour wheel moving 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Lamp On, reset (total reset except pan/tilt reset) 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 Gobo wheels reset 170–179 Dimmer/strobe reset 180–189 Zoom/focus/frost reset 190–199 Iris/prism/animation wheel reset 200–209 Total reset 210–229 Reserved 230–239 Lamp Off 240–255 Reserved

Mode 2 (28 ch) (continued)

Ch	Function	Default	DMX values
7	Position Effect	0	0–9 Disabled pan/tilt macro 10–31 Reserved 32–63 Figure of circle (from small to large) 64–95 Figure of horizontal eight (from small to large) 96–127 Figure of vertical eight (from small to large) 128–159 Figure of rectangle (from small to large) 160–191 Figure of triangle (from small to large) 192–223 Figure of star (from small to large) 224–255 Figure of cross (from small to large)
8	Position Effect Rate	0	0–0 No macro generation 1–127 Macro generation from fast to slow-forwards 128–129 No macro generation 130–255 Macro generation from slow to fast-backwards
9	Color Wheel	0	0–15 Open/white (wheel slot 1) 16–31 Deep red (wheel slot 2) 32–47 Deep blue (wheel slot 3) 48–63 Orange (wheel slot 4) 64–79 Green (wheel slot 5) 80–95 Light red (wheel slot 6) 96–111 Amber (wheel slot 7) 112–127 UV filter (wheel slot 8) 128–129 White (wheel slot 1) 130–137 Deep red (wheel slot 2) 138–145 Deep blue (wheel slot 3) 146–153 Orange (wheel slot 4) 154–163 Green (wheel slot 5) 164–171 Light red (wheel slot 6) 172–181 Amber (wheel slot 7) 182–189 UV filter (wheel slot 8) 190–215 Forwards rainbow effect from fast to slow 216–217 No rotation 218–243 Backwards rainbow effect from slow to fast 244–249 Random colour selection by audio control 250–255 Auto random colour selection from fast to slow
10	Cyan	0	
11	Magenta	0	
12	Yellow	0	
13	C TO	0	

Mode 2 (28 ch) (continued)

Ch	Function	Default	DMX values
14	Color Macro1	0	0–7 No function 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–243 Macro 30 - Random rainbow effect from fast to slow 244–249 Random macro selection by audio control 250–255 Auto random macro selection from fast to slow
15	Color Mix MSpeed	0	
16	Animation Wheel1	0	0–31 Open 32–47 Horizontal indexed position (set indexing on the nex... 48–63 Vertical indexed position (set indexing on the next ch... 64–79 Continuous rotation, horizontal position (set speed o... 80–95 Continuous rotation, vertical position (set speed on t... 96–111 Horizontal pulse effects (set speed on the next chan... 112–127 Vertical pulse effects (set speed on the next chann... 128–191 Indexed angle position from horizontal to vertical ... 192–255 Indexed angle position from vertical to horizontal ...
17	Animation Wheel1Pos Rotate	0	

Mode 2 (28 ch) (continued)

Ch	Function	Default	DMX values
18	Gobo	0	0–6 Open/hole (wheel slot 1) 7–12 Gobo 1 (wheel slot 2) 13–18 Gobo 2 (wheel slot 3) 19–25 Gobo 3 (wheel slot 4) 26–31 Gobo 4 (wheel slot 5) 32–38 Gobo 5 (wheel slot 6) 39–44 Gobo 6 (wheel slot 7) 45–50 Gobo 7 (wheel slot 8) 51–57 Gobo 8 (wheel slot 9) 58–63 Gobo 9 (wheel slot 10) 64–64 Open/hole (wheel slot 1) 65–69 Gobo 1 (wheel slot 2) 70–74 Gobo 2 (wheel slot 3) 75–79 Gobo 3 (wheel slot 4) 80–84 Gobo 4 (wheel slot 5) 85–89 Gobo 5 (wheel slot 6) 90–94 Gobo 6 (wheel slot 7) 95–99 Gobo 7 (wheel slot 8) 100–104 Gobo 8 (wheel slot 9) 105–109 Gobo 9 (wheel slot 10) 110–119 Shaking gobo 1 (wheel slot 2) 120–129 Shaking gobo 2 (wheel slot 3) 130–139 Shaking gobo 3 (wheel slot 4) 140–149 Shaking gobo 4 (wheel slot 5) 150–159 Shaking gobo 5 (wheel slot 6) 160–169 Shaking gobo 6 (wheel slot 7) 170–179 Shaking gobo 7 (wheel slot 8) 180–189 Shaking gobo 8 (wheel slot 9) 190–199 Shaking gobo 9 (wheel slot 10) 200–201 Open/hole (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow

Mode 2 (28 ch) (continued)

Ch	Function	Default	DMX values
19	Gobo 2	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 (wheel slot 2) 36–39 Gobo 2 (wheel slot 3) 40–43 Gobo 3 (wheel slot 4) 44–47 Gobo 4 (wheel slot 5) 48–51 Gobo 5 (wheel slot 6) 52–55 Gobo 6 (wheel slot 7) 56–59 Gobo 7 (wheel slot 8) 60–69 Shaking gobo 1 (wheel slot 2) 70–79 Shaking gobo 2 (wheel slot 3) 80–89 Shaking gobo 3 (wheel slot 4) 90–99 Shaking gobo 4 (wheel slot 5) 100–109 Shaking gobo 5 (wheel slot 6) 110–119 Shaking gobo 6 (wheel slot 7) 120–129 Shaking gobo 7 (wheel slot 8) 130–139 Shaking gobo 1 (wheel slot 2) 140–149 Shaking gobo 2 (wheel slot 3) 150–159 Shaking gobo 3 (wheel slot 4) 160–169 Shaking gobo 4 (wheel slot 5) 170–179 Shaking gobo 5 (wheel slot 6) 180–189 Shaking gobo 6 (wheel slot 7) 190–199 Shaking gobo 7 (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
20	Gobo Rotation 2	0	
21	Prism	0	0–19 Open (wheel slot 1) 20–127 3-facet rotating prism (wheel slot 2) 128–135 Prism/gobo macro 1 136–143 Prism/gobo macro 2 144–151 Prism/gobo macro 3 152–159 Prism/gobo macro 4 160–167 Prism/gobo macro 5 168–175 Prism/gobo macro 6 176–183 Prism/gobo macro 7 184–191 Prism/gobo macro 8 192–199 Prism/gobo macro 9 200–207 Prism/gobo macro 10 208–215 Prism/gobo macro 11 216–223 Prism/gobo macro 12 224–231 Prism/gobo macro 13 232–239 Prism/gobo macro 14 240–247 Prism/gobo macro 15 248–255 Prism/gobo macro 16
22	Prism Rotation	0	0–0 No rotation 1–127 Forwards rotation from fast to slow 128–129 No rotation 130–255 Backwards rotation from slow to fast

Mode 2 (28 ch) (continued)

Ch	Function	Default	DMX values
23	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 100% frost 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow
24	Iris	0	0–0 Open 1–179 From max.diameter to min.diameter 180–191 Closed 192–219 Pulse opening from slow to fast 220–247 Pulse closing from fast to slow 248–249 Random pulse opening (fast) 250–251 Random pulse opening (slow) 252–253 Random pulse closing (fast) 254–255 Random pulse closing (slow)
25	Zoom	0	
26	Focus	0	
27	Shutter / Strobe	32	0–31 Shutter closed, Lamp power reduced to 350 W (after 1... 32–63 Shutter open, Full lamp power 64–95 Strobe-effect from slow to fast (max. 12 flashes/s) 96–127 Shutter open, Lamp power reduced to 350 W 128–143 Opening pulse in sequences from slow to fast 144–159 Closing pulse in sequences from fast to slow 160–191 Electronic strobing ZAP from slow to fast (7 to 33 fl... 192–223 Random strobe-effect from slow to fast 224–255 Shutter open, Full lamp power
28	Dimmer	0	

Mode 5 (31 ch)

31 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	32	0–31 Shutter closed, Lamp power reduced to 350 W (after 1... 32–63 Shutter open, Full lamp power 64–95 Strobe-effect from slow to fast (max. 12 flashes/s) 96–127 Shutter open, Lamp power reduced to 350 W 128–143 Opening pulse in sequences from slow to fast 144–159 Closing pulse in sequences from fast to slow 160–191 Electronic strobing ZAP from slow to fast (7 to 33 fl... 192–223 Random strobe-effect from slow to fast 224–255 Shutter open, Full lamp power
2	Dimmer	0	
3	Dimmer Fine	0	Fine byte of Dimmer
4	Cyan	0	
5	No Feature	0	
6	Magenta	0	
7	No Feature	0	
8	Yellow	0	
9	No Feature	0	

Mode 5 (31 ch) (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–15 Open/white (wheel slot 1) 16–31 Deep red (wheel slot 2) 32–47 Deep blue (wheel slot 3) 48–63 Orange (wheel slot 4) 64–79 Green (wheel slot 5) 80–95 Light red (wheel slot 6) 96–111 Amber (wheel slot 7) 112–127 UV filter (wheel slot 8) 128–129 White (wheel slot 1) 130–137 Deep red (wheel slot 2) 138–145 Deep blue (wheel slot 3) 146–153 Orange (wheel slot 4) 154–163 Green (wheel slot 5) 164–171 Light red (wheel slot 6) 172–181 Amber (wheel slot 7) 182–189 UV filter (wheel slot 8) 190–215 Forwards rainbow effect from fast to slow 216–217 No rotation 218–243 Backwards rainbow effect from slow to fast 244–249 Random colour selection by audio control 250–255 Auto random colour selection from fast to slow
11	Color Wheel Fine	0	Fine byte of Color Wheel
12	Gobo 2	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 (wheel slot 2) 36–39 Gobo 2 (wheel slot 3) 40–43 Gobo 3 (wheel slot 4) 44–47 Gobo 4 (wheel slot 5) 48–51 Gobo 5 (wheel slot 6) 52–55 Gobo 6 (wheel slot 7) 56–59 Gobo 7 (wheel slot 8) 60–69 Shaking gobo 1 (wheel slot 2) 70–79 Shaking gobo 2 (wheel slot 3) 80–89 Shaking gobo 3 (wheel slot 4) 90–99 Shaking gobo 4 (wheel slot 5) 100–109 Shaking gobo 5 (wheel slot 6) 110–119 Shaking gobo 6 (wheel slot 7) 120–129 Shaking gobo 7 (wheel slot 8) 130–139 Shaking gobo 1 (wheel slot 2) 140–149 Shaking gobo 2 (wheel slot 3) 150–159 Shaking gobo 3 (wheel slot 4) 160–169 Shaking gobo 4 (wheel slot 5) 170–179 Shaking gobo 5 (wheel slot 6) 180–189 Shaking gobo 6 (wheel slot 7) 190–199 Shaking gobo 7 (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
13	Gobo Rotation 2	0	
14	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

Mode 5 (31 ch) (continued)

Ch	Function	Default	DMX values
15	Gobo	0	0–6 Open/hole (wheel slot 1) 7–12 Gobo 1 (wheel slot 2) 13–18 Gobo 2 (wheel slot 3) 19–25 Gobo 3 (wheel slot 4) 26–31 Gobo 4 (wheel slot 5) 32–38 Gobo 5 (wheel slot 6) 39–44 Gobo 6 (wheel slot 7) 45–50 Gobo 7 (wheel slot 8) 51–57 Gobo 8 (wheel slot 9) 58–63 Gobo 9 (wheel slot 10) 64–64 Open/hole (wheel slot 1) 65–69 Gobo 1 (wheel slot 2) 70–74 Gobo 2 (wheel slot 3) 75–79 Gobo 3 (wheel slot 4) 80–84 Gobo 4 (wheel slot 5) 85–89 Gobo 5 (wheel slot 6) 90–94 Gobo 6 (wheel slot 7) 95–99 Gobo 7 (wheel slot 8) 100–104 Gobo 8 (wheel slot 9) 105–109 Gobo 9 (wheel slot 10) 110–119 Shaking gobo 1 (wheel slot 2) 120–129 Shaking gobo 2 (wheel slot 3) 130–139 Shaking gobo 3 (wheel slot 4) 140–149 Shaking gobo 4 (wheel slot 5) 150–159 Shaking gobo 5 (wheel slot 6) 160–169 Shaking gobo 6 (wheel slot 7) 170–179 Shaking gobo 7 (wheel slot 8) 180–189 Shaking gobo 8 (wheel slot 9) 190–199 Shaking gobo 9 (wheel slot 10) 200–201 Open/hole (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow

Mode 5 (31 ch) (continued)

Ch	Function	Default	DMX values
16	Color Macro1	0	0–7 No function 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–243 Macro 30 - Random rainbow effect from fast to slow 244–249 Random macro selection by audio control 250–255 Auto random macro selection from fast to slow
17	Animation Wheel1	0	0–31 Open 32–47 Horizontal indexed position (set indexing on the nex... 48–63 Vertical indexed position (set indexing on the next ch... 64–79 Continuous rotation, horizontal position (set speed o... 80–95 Continuous rotation, vertical position (set speed on t... 96–111 Horizontal pulse effects (set speed on the next chan... 112–127 Vertical pulse effects (set speed on the next chann... 128–191 Indexed angle position from horizontal to vertical ... 192–255 Indexed angle position from vertical to horizontal ...
18	Animation Wheel1Pos Rotate	0	
19	Prism	0	0–19 Open (wheel slot 1) 20–127 3-facet rotating prism (wheel slot 2) 128–135 Prism/gobo macro 1 136–143 Prism/gobo macro 2 144–151 Prism/gobo macro 3 152–159 Prism/gobo macro 4 160–167 Prism/gobo macro 5 168–175 Prism/gobo macro 6 176–183 Prism/gobo macro 7 184–191 Prism/gobo macro 8 192–199 Prism/gobo macro 9 200–207 Prism/gobo macro 10 208–215 Prism/gobo macro 11 216–223 Prism/gobo macro 12 224–231 Prism/gobo macro 13 232–239 Prism/gobo macro 14 240–247 Prism/gobo macro 15 248–255 Prism/gobo macro 16

Mode 5 (31 ch) (continued)

Ch	Function	Default	DMX values
20	Iris	0	0–0 Open 1–179 From max.diameter to min.diameter 180–191 Closed 192–219 Pulse opening from slow to fast 220–247 Pulse closing from fast to slow 248–249 Random pulse opening (fast) 250–251 Random pulse opening (slow) 252–253 Random pulse closing (fast) 254–255 Random pulse closing (slow)
21	Iris Fine	0	Fine byte of Iris
22	Focus	0	
23	Focus Fine	0	Fine byte of Focus
24	Zoom	0	
25	Zoom Fine	0	Fine byte of Zoom
26	Pan	128	
27	Pan Fine	0	Fine byte of Pan
28	Tilt	128	
29	Tilt Fine	0	Fine byte of Tilt
30	Position MSpeed	0	0–0 Max. speed (tracking mode) 1–255 Speed from max. to min. (vector mode) / time from 0...
31	Control1	0	0–49 Reserved 50–59 Pan/Tilt speed mode 60–69 Pan/Tilt time mode 70–79 Blackout while pan/tilt moving 80–89 Disabled blackout while pan/tilt moving 90–99 Blackout while colour wheel moving 100–109 Disabled blackout while colour wheel moving 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Lamp On, reset (total reset except pan/tilt reset) 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 Gobo wheels reset 170–179 Dimmer/strobe reset 180–189 Zoom/focus/frost reset 190–199 Iris/prism/animation wheel reset 200–209 Total reset 210–229 Reserved 230–239 Lamp Off 240–255 Reserved

Mode 3 (34 ch)

34 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Max. speed (tracking mode) 1–255 Speed from max. to min. (vector mode) / time from 0...

Mode 3 (34 ch) (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–49 Reserved 50–59 Pan/Tilt speed mode 60–69 Pan/Tilt time mode 70–79 Blackout while pan/tilt moving 80–89 Disabled blackout while pan/tilt moving 90–99 Blackout while colour wheel moving 100–109 Disabled blackout while colour wheel moving 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Lamp On, reset (total reset except pan/tilt reset) 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 Gobo wheels reset 170–179 Dimmer/strobe reset 180–189 Zoom/focus/frost reset 190–199 Iris/prism/animation wheel reset 200–209 Total reset 210–229 Reserved 230–239 Lamp Off 240–255 Reserved
7	Color Wheel	0	0–15 Open/white (wheel slot 1) 16–31 Deep red (wheel slot 2) 32–47 Deep blue (wheel slot 3) 48–63 Orange (wheel slot 4) 64–79 Green (wheel slot 5) 80–95 Light red (wheel slot 6) 96–111 Amber (wheel slot 7) 112–127 UV filter (wheel slot 8) 128–129 White (wheel slot 1) 130–137 Deep red (wheel slot 2) 138–145 Deep blue (wheel slot 3) 146–153 Orange (wheel slot 4) 154–163 Green (wheel slot 5) 164–171 Light red (wheel slot 6) 172–181 Amber (wheel slot 7) 182–189 UV filter (wheel slot 8) 190–215 Forwards rainbow effect from fast to slow 216–217 No rotation 218–243 Backwards rainbow effect from slow to fast 244–249 Random colour selection by audio control 250–255 Auto random colour selection from fast to slow
8	Color Wheel Fine	0	Fine byte of Color Wheel
9	Cyan	0	
10	Magenta	0	
11	Yellow	0	
12	C TO	0	

Mode 3 (34 ch) (continued)

Ch	Function	Default	DMX values
13	Color Macro1	0	0–7 No function 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–243 Macro 30 - Random rainbow effect from fast to slow 244–249 Random macro selection by audio control 250–255 Auto random macro selection from fast to slow
14	Color Mix MSpeed	0	
15	Animation Wheel1	0	0–31 Open 32–47 Horizontal indexed position (set indexing on the nex... 48–63 Vertical indexed position (set indexing on the next ch... 64–79 Continuous rotation, horizontal position (set speed o... 80–95 Continuous rotation, vertical position (set speed on t... 96–111 Horizontal pulse effects (set speed on the next chan... 112–127 Vertical pulse effects (set speed on the next chann... 128–191 Indexed angle position from horizontal to vertical ... 192–255 Indexed angle position from vertical to horizontal ...
16	Animation Wheel1Pos Rotate	0	

Mode 3 (34 ch) (continued)

Ch	Function	Default	DMX values
17	Gobo	0	0–6 Open/hole (wheel slot 1) 7–12 Gobo 1 (wheel slot 2) 13–18 Gobo 2 (wheel slot 3) 19–25 Gobo 3 (wheel slot 4) 26–31 Gobo 4 (wheel slot 5) 32–38 Gobo 5 (wheel slot 6) 39–44 Gobo 6 (wheel slot 7) 45–50 Gobo 7 (wheel slot 8) 51–57 Gobo 8 (wheel slot 9) 58–63 Gobo 9 (wheel slot 10) 64–64 Open/hole (wheel slot 1) 65–69 Gobo 1 (wheel slot 2) 70–74 Gobo 2 (wheel slot 3) 75–79 Gobo 3 (wheel slot 4) 80–84 Gobo 4 (wheel slot 5) 85–89 Gobo 5 (wheel slot 6) 90–94 Gobo 6 (wheel slot 7) 95–99 Gobo 7 (wheel slot 8) 100–104 Gobo 8 (wheel slot 9) 105–109 Gobo 9 (wheel slot 10) 110–119 Shaking gobo 1 (wheel slot 2) 120–129 Shaking gobo 2 (wheel slot 3) 130–139 Shaking gobo 3 (wheel slot 4) 140–149 Shaking gobo 4 (wheel slot 5) 150–159 Shaking gobo 5 (wheel slot 6) 160–169 Shaking gobo 6 (wheel slot 7) 170–179 Shaking gobo 7 (wheel slot 8) 180–189 Shaking gobo 8 (wheel slot 9) 190–199 Shaking gobo 9 (wheel slot 10) 200–201 Open/hole (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
18	Gobo Fine	0	Fine byte of Gobo

Mode 3 (34 ch) (continued)

Ch	Function	Default	DMX values
19	Gobo 2	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 (wheel slot 2) 36–39 Gobo 2 (wheel slot 3) 40–43 Gobo 3 (wheel slot 4) 44–47 Gobo 4 (wheel slot 5) 48–51 Gobo 5 (wheel slot 6) 52–55 Gobo 6 (wheel slot 7) 56–59 Gobo 7 (wheel slot 8) 60–69 Shaking gobo 1 (wheel slot 2) 70–79 Shaking gobo 2 (wheel slot 3) 80–89 Shaking gobo 3 (wheel slot 4) 90–99 Shaking gobo 4 (wheel slot 5) 100–109 Shaking gobo 5 (wheel slot 6) 110–119 Shaking gobo 6 (wheel slot 7) 120–129 Shaking gobo 7 (wheel slot 8) 130–139 Shaking gobo 1 (wheel slot 2) 140–149 Shaking gobo 2 (wheel slot 3) 150–159 Shaking gobo 3 (wheel slot 4) 160–169 Shaking gobo 4 (wheel slot 5) 170–179 Shaking gobo 5 (wheel slot 6) 180–189 Shaking gobo 6 (wheel slot 7) 190–199 Shaking gobo 7 (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
20	Gobo Rotation 2	0	
21	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
22	Prism	0	0–19 Open (wheel slot 1) 20–127 3-facet rotating prism (wheel slot 2) 128–135 Prism/gobo macro 1 136–143 Prism/gobo macro 2 144–151 Prism/gobo macro 3 152–159 Prism/gobo macro 4 160–167 Prism/gobo macro 5 168–175 Prism/gobo macro 6 176–183 Prism/gobo macro 7 184–191 Prism/gobo macro 8 192–199 Prism/gobo macro 9 200–207 Prism/gobo macro 10 208–215 Prism/gobo macro 11 216–223 Prism/gobo macro 12 224–231 Prism/gobo macro 13 232–239 Prism/gobo macro 14 240–247 Prism/gobo macro 15 248–255 Prism/gobo macro 16
23	Prism Rotation	0	0–0 No rotation 1–127 Forwards rotation from fast to slow 128–129 No rotation 130–255 Backwards rotation from slow to fast

Mode 3 (34 ch) (continued)

Ch	Function	Default	DMX values
24	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 100% frost 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow
25	Frost1 Fine	0	Fine byte of Frost1
26	Iris	0	0–0 Open 1–179 From max.diameter to min.diameter 180–191 Closed 192–219 Pulse opening from slow to fast 220–247 Pulse closing from fast to slow 248–249 Random pulse opening (fast) 250–251 Random pulse opening (slow) 252–253 Random pulse closing (fast) 254–255 Random pulse closing (slow)
27	Iris Fine	0	Fine byte of Iris
28	Zoom	0	
29	Zoom Fine	0	Fine byte of Zoom
30	Focus	0	
31	Focus Fine	0	Fine byte of Focus
32	Shutter / Strobe	32	0–31 Shutter closed, Lamp power reduced to 350 W (after 1… 32–63 Shutter open, Full lamp power 64–95 Strobe-effect from slow to fast (max. 12 flashes/s) 96–127 Shutter open, Lamp power reduced to 350 W 128–143 Opening pulse in sequences from slow to fast 144–159 Closing pulse in sequences from fast to slow 160–191 Electronic strobing ZAP from slow to fast (7 to 33 fl… 192–223 Random strobe-effect from slow to fast 224–255 Shutter open, Full lamp power
33	Dimmer	0	
34	Dimmer Fine	0	Fine byte of Dimmer

Mode 1 (36 ch)

36 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Max. speed (tracking mode) 1–255 Speed from max. to min. (vector mode) / time from 0…

Mode 1 (36 ch) (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–49 Reserved 50–59 Pan/Tilt speed mode 60–69 Pan/Tilt time mode 70–79 Blackout while pan/tilt moving 80–89 Disabled blackout while pan/tilt moving 90–99 Blackout while colour wheel moving 100–109 Disabled blackout while colour wheel moving 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Lamp On, reset (total reset except pan/tilt reset) 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 Gobo wheels reset 170–179 Dimmer/strobe reset 180–189 Zoom/focus/frost reset 190–199 Iris/prism/animation wheel reset 200–209 Total reset 210–229 Reserved 230–239 Lamp Off 240–255 Reserved
7	Position Effect	0	0–9 Disabled pan/tilt macro 10–31 Reserved 32–63 Figure of circle (from small to large) 64–95 Figure of horizontal eight (from small to large) 96–127 Figure of vertical eight (from small to large) 128–159 Figure of rectangle (from small to large) 160–191 Figure of triangle (from small to large) 192–223 Figure of star (from small to large) 224–255 Figure of cross (from small to large)
8	Position Effect Rate	0	0–0 No macro generation 1–127 Macro generation from fast to slow-forwards 128–129 No macro generation 130–255 Macro generation from slow to fast-backwards
9	Color Wheel	0	0–15 Open/white (wheel slot 1) 16–31 Deep red (wheel slot 2) 32–47 Deep blue (wheel slot 3) 48–63 Orange (wheel slot 4) 64–79 Green (wheel slot 5) 80–95 Light red (wheel slot 6) 96–111 Amber (wheel slot 7) 112–127 UV filter (wheel slot 8) 128–129 White (wheel slot 1) 130–137 Deep red (wheel slot 2) 138–145 Deep blue (wheel slot 3) 146–153 Orange (wheel slot 4) 154–163 Green (wheel slot 5) 164–171 Light red (wheel slot 6) 172–181 Amber (wheel slot 7) 182–189 UV filter (wheel slot 8) 190–215 Forwards rainbow effect from fast to slow 216–217 No rotation 218–243 Backwards rainbow effect from slow to fast 244–249 Random colour selection by audio control 250–255 Auto random colour selection from fast to slow
10	Color Wheel Fine	0	Fine byte of Color Wheel
11	Cyan	0	
12	Magenta	0	
13	Yellow	0	
14	C TO	0	

Mode 1 (36 ch) (continued)

Ch	Function	Default	DMX values
15	Color Macro1	0	0–7 No function 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–243 Macro 30 - Random rainbow effect from fast to slow 244–249 Random macro selection by audio control 250–255 Auto random macro selection from fast to slow
16	Color Mix MSpeed	0	
17	Animation Wheel1	0	0–31 Open 32–47 Horizontal indexed position (set indexing on the nex... 48–63 Vertical indexed position (set indexing on the next ch... 64–79 Continuous rotation, horizontal position (set speed o... 80–95 Continuous rotation, vertical position (set speed on t... 96–111 Horizontal pulse effects (set speed on the next chan... 112–127 Vertical pulse effects (set speed on the next chann... 128–191 Indexed angle position from horizontal to vertical ... 192–255 Indexed angle position from vertical to horizontal ...
18	Animation Wheel1Pos Rotate	0	

Mode 1 (36 ch) (continued)

Ch	Function	Default	DMX values
19	Gobo	0	0–6 Open/hole (wheel slot 1) 7–12 Gobo 1 (wheel slot 2) 13–18 Gobo 2 (wheel slot 3) 19–25 Gobo 3 (wheel slot 4) 26–31 Gobo 4 (wheel slot 5) 32–38 Gobo 5 (wheel slot 6) 39–44 Gobo 6 (wheel slot 7) 45–50 Gobo 7 (wheel slot 8) 51–57 Gobo 8 (wheel slot 9) 58–63 Gobo 9 (wheel slot 10) 64–64 Open/hole (wheel slot 1) 65–69 Gobo 1 (wheel slot 2) 70–74 Gobo 2 (wheel slot 3) 75–79 Gobo 3 (wheel slot 4) 80–84 Gobo 4 (wheel slot 5) 85–89 Gobo 5 (wheel slot 6) 90–94 Gobo 6 (wheel slot 7) 95–99 Gobo 7 (wheel slot 8) 100–104 Gobo 8 (wheel slot 9) 105–109 Gobo 9 (wheel slot 10) 110–119 Shaking gobo 1 (wheel slot 2) 120–129 Shaking gobo 2 (wheel slot 3) 130–139 Shaking gobo 3 (wheel slot 4) 140–149 Shaking gobo 4 (wheel slot 5) 150–159 Shaking gobo 5 (wheel slot 6) 160–169 Shaking gobo 6 (wheel slot 7) 170–179 Shaking gobo 7 (wheel slot 8) 180–189 Shaking gobo 8 (wheel slot 9) 190–199 Shaking gobo 9 (wheel slot 10) 200–201 Open/hole (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
20	Gobo Fine	0	Fine byte of Gobo

Mode 1 (36 ch) (continued)

Ch	Function	Default	DMX values
21	Gobo 2	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 (wheel slot 2) 36–39 Gobo 2 (wheel slot 3) 40–43 Gobo 3 (wheel slot 4) 44–47 Gobo 4 (wheel slot 5) 48–51 Gobo 5 (wheel slot 6) 52–55 Gobo 6 (wheel slot 7) 56–59 Gobo 7 (wheel slot 8) 60–69 Shaking gobo 1 (wheel slot 2) 70–79 Shaking gobo 2 (wheel slot 3) 80–89 Shaking gobo 3 (wheel slot 4) 90–99 Shaking gobo 4 (wheel slot 5) 100–109 Shaking gobo 5 (wheel slot 6) 110–119 Shaking gobo 6 (wheel slot 7) 120–129 Shaking gobo 7 (wheel slot 8) 130–139 Shaking gobo 1 (wheel slot 2) 140–149 Shaking gobo 2 (wheel slot 3) 150–159 Shaking gobo 3 (wheel slot 4) 160–169 Shaking gobo 4 (wheel slot 5) 170–179 Shaking gobo 5 (wheel slot 6) 180–189 Shaking gobo 6 (wheel slot 7) 190–199 Shaking gobo 7 (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
22	Gobo Rotation 2	0	
23	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
24	Prism	0	0–19 Open (wheel slot 1) 20–127 3-facet rotating prism (wheel slot 2) 128–135 Prism/gobo macro 1 136–143 Prism/gobo macro 2 144–151 Prism/gobo macro 3 152–159 Prism/gobo macro 4 160–167 Prism/gobo macro 5 168–175 Prism/gobo macro 6 176–183 Prism/gobo macro 7 184–191 Prism/gobo macro 8 192–199 Prism/gobo macro 9 200–207 Prism/gobo macro 10 208–215 Prism/gobo macro 11 216–223 Prism/gobo macro 12 224–231 Prism/gobo macro 13 232–239 Prism/gobo macro 14 240–247 Prism/gobo macro 15 248–255 Prism/gobo macro 16
25	Prism Rotation	0	0–0 No rotation 1–127 Forwards rotation from fast to slow 128–129 No rotation 130–255 Backwards rotation from slow to fast

Mode 1 (36 ch) (continued)

Ch	Function	Default	DMX values
26	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 100% frost 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow
27	Frost1 Fine	0	Fine byte of Frost1
28	Iris	0	0–0 Open 1–179 From max.diameter to min.diameter 180–191 Closed 192–219 Pulse opening from slow to fast 220–247 Pulse closing from fast to slow 248–249 Random pulse opening (fast) 250–251 Random pulse opening (slow) 252–253 Random pulse closing (fast) 254–255 Random pulse closing (slow)
29	Iris Fine	0	Fine byte of Iris
30	Zoom	0	
31	Zoom Fine	0	Fine byte of Zoom
32	Focus	0	
33	Focus Fine	0	Fine byte of Focus
34	Shutter / Strobe	32	0–31 Shutter closed, Lamp power reduced to 350 W (after 1… 32–63 Shutter open, Full lamp power 64–95 Strobe-effect from slow to fast (max. 12 flashes/s) 96–127 Shutter open, Lamp power reduced to 350 W 128–143 Opening pulse in sequences from slow to fast 144–159 Closing pulse in sequences from fast to slow 160–191 Electronic strobing ZAP from slow to fast (7 to 33 fl… 192–223 Random strobe-effect from slow to fast 224–255 Shutter open, Full lamp power
35	Dimmer	0	
36	Dimmer Fine	0	Fine byte of Dimmer

Fixture model: gdtf-robe-colorspot-700e-at-2611046005
Original HitLight parametric reconstruction. Manufacturer drawings and photographs used as dimensional and visual references; no third-part…
Creator: HitLight